



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE DISTILLATION					P13.1
System 2: CRUDE DISTILLATION UNIT #10 HEATERS					
HEATER, CRUDE, 10-H-100, REFINERY GAS, 159.2 MMBTU/HR WITH A/N: 530461 BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR-14M, 28 BURNERS, WITH LOW NOX BURNER	D3		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 10.75 LBS/HR (7) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.065 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x5, A229.1, B61.1, B61.2, C1.15, D90.3, D328.1, H23.5, H23.33
Process 1: CRUDE DISTILLATION					P13.1
System 4: CRUDE DISTILLATION UNIT #11 HEATERS					
HEATER, CRUDE, 11-H-1000, REFINERY GAS, RATING BASED ON HHV, WITH LOW NOX BURNER, 136 MMBTU/HR WITH A/N: 530462 BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMT, SIZE 16M, 14 BURNERS, WITH LOW NOX BURNER	D6		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.036 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x6, B61.1, B61.2, D90.3, D328.1, H23.5, H23.33
Process 1: CRUDE DISTILLATION					P13.1
System 6: VACUUM DISTILLATION UNIT HEATERS					
HEATER, VACCUM FEED HEATER, 20-H-200, REFINERY GAS, HHV, WITH LOW NOX BURNER, 49 MMBTU/HR WITH A/N: 530463 BURNER, REFINERY GAS, JOHN ZINK, MODEL PNDR-16, 10 BURNERS, WITH LOW NOX BURNER	D8		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.057 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x7, B61.1, B61.2, D90.3, D328.1, H23.5, H23.33

- * (1)(1A)(1B)Denotes RECLAIM emission factor (2)(2A)(2B)Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B)Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 2: DELAYED COKING UNIT #30 HEATERS					
HEATER, 30-H-301, REFINERY GAS, WITH LOW NOX BURNER, 144 MMBTU/HR WITH A/N: 530464 BURNER, REFINERY GAS, JOHN ZINK, MODEL PXMR-20, 32 BURNERS, WITH LOW NOX BURNER, 144 MMBTU/HR	D12	C13	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.045 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A63.6, A195.x8, B61.1, B61.2, C1.31, D29.1, D90.3, D328.1, H23.5, H23.33, K67.1
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 4: DELAYED COKING UNIT #31 HEATERS					
HEATER, DCU, 31-H-3000, REFINERY GAS, HHV, WITH LOW NOX BURNER, 95 MMBTU/HR WITH A/N: 530465 BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR, SIZE 14, 14 BURNERS	D22		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.039 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x9, B61.1, B61.2, D90.3, D328.1, H23.5, H23.33
Process 3: CATALYTIC CRACKING					P13.1
System 1: FCCU					S13.2, S56.1

* (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
REGENERATOR, FCC, 61-IN-1, WITH CYCLONE, HEIGHT: 100 FT 6 IN; DIAMETER: 26 FT 6 IN A/N: 530475	D36	C39 D157 D158 D166 D168 D973 D986	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 500 PPMV (5A) [CONSENT DECREE VALERO, 6-16-2005]; CO: 500 PPMV (8) [40CFR 60 Subpart J, 9-12-2012]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart UUU, #2, 4-20-2006]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 2 LBS/TON COKE BURNOFF (5) [CONSENT DECREE VALERO, 6-16-2005]; PM: 2 LBS/TON COKE BURNOFF (8) [40CFR 60 Subpart J, 9-12-2012]; PM10: 2.8 LBS/1000 BBL FRESH FEED (5) [RULE 1105.1, 11-7-2003]; SO2: 25 PPMV (5) [CONSENT DECREE VALERO, 6-16-2005]; SO2: 50 PPMV (8) [40CFR 60 Subpart J, 9-12-2012]; SO2: 50 PPMV (5A) [CONSENT DECREE VALERO, 6-16-2005]; SOX: 25 PPMV (3) [RULE 2002, 1-7-2005; RULE 2002, 11-5-2010]; NOX: 41 PPMV (5) [CONSENT DECREE VALERO, 6-16-2005]; NOX: 82 PPMV (5) [CONSENT DECREE VALERO, 6-16-2005]	A63.4, A63.8, A195.2, A195.17, A195.18, A195.19, A195.x1, A195.x2, D29.12, D29.13, D82.3, D90.4, D323.1, E73.5, E193.4, H23.27, K40.3
Process 4: HYDROTREATING					P13.1
System 2: GAS OIL UNIBON HYDROTREATING UNIT HEATERS					
HEATER, 80-H-2, REFINERY GAS, WITH AMMONIA INJECTION, 68 MMBTU/HR WITH A/N: 530470 BURNER, REFINERY GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CSG-12W, 6 BURNERS, WITH LOW NOX BURNER	D53		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.047 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x10, B61.2, D90.3, D328.1, H23.5, H23.33
Process 4: HYDROTREATING					P13.1

- * (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
System 6: GAS OIL HYDRODESULFURIZATION UNIT HEATERS					
HEATER, GAS OIL HYDROTREATING, 58-H-1, REFINERY GAS, WITH LOW NOX BURNER, 110 MMBTU/HR WITH A/N: 530467 BURNER, 12 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 110 MMBTU/HR	D768	C770	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.020 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A63.2, A195.x11, B61.1, B61.2, D90.3, D328.1, H23.5, H23.33
Process 4: HYDROTREATING					P13.1
System 8: NAPHTHA HYDROTREATER/SPLITTER UNIT HEATERS					S2.1
HEATER, HOT OIL, 56-H-2, REFINERY GAS, 200 MMBTU/HR WITH A/N: 530466 BURNER, 15 BURNERS, REFINERY GAS, CALLIDUS, MODEL LECSGW #5, LOW NOX BURNER, 200 MMBTU/HR	D430	C431	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.023 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x12, B61.1, B61.2, D90.3, H23.5, H23.33
Process 5: CATALYTIC REFORMING AND ISOMERIZATION					P13.1
System 2: PLATFORMER UNIT #70 HEATERS					
HEATER, 70-H-1/2/3, PROCESS GAS, REFINERY GAS, BASED ON FUEL HHV OF 1199 BTU/SCF, WITH LOW NOX BURNER, 258 MMBTU/HR WITH A/N: 530469 BURNER, PROCESS GAS, REFINERY GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CSG-10W, 23 BURNERS, WITH LOW NOX BURNER, 258 MMBTU/HR	D74	D68 D69 D71 D932 D934 D935 D940 D941 D942 D943	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 10.5 LBS/HR (7) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.041 LBS/MMBTU (5) [CONSENT DECREE VALERO, 6-16-2005]	A63.5, A195.x13, A229.2, B61.1, B61.2, C1.16, D90.3, D90.13, D182.5, H23.5, H23.33
Process 7: ALKYLATION AND ISOMERIZATION					P13.1

- * (1)(1A)(1B) Denotes RECLAIM emission factor (2)(2A)(2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
(5)(5A)(5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
System 5: ALKYLATION UNIT #68 HEATERS					
HEATER, 68-H-1, REFINERY GAS, 57 MMBTU/HR WITH A/N: 530468 BURNER, 5 BURNERS, REFINERY GAS, JOHN ZINK, MODEL PSMR-18M, LOW NOX BURNER, 57 MMBTU/HR	D98		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; NOX: 0.044 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A63.1, A195.x14, B61.1, B61.2, D90.3, D328.1, H23.5, H23.33
Process 15: STEAM GENERATION					
System 2: BOILER					
BOILER, 86-B-9001, REFINERY GAS, 127.8 MMBTU/HR A/N: 530471	D378	C379	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976]; NOX: 0.015 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A195.x15, A327.1, B61.2, D90.3, D328.1, H23.5, H23.33
Process 15: STEAM GENERATION					
System 4: BOILER					S31.5
BOILER, 86-B-9002, REFINERY GAS, RENTECH BOILER SYSTEMS, MODEL BAF-200/250, 245 MMBTU/HR WITH A/N: 530472 BURNER, REFINERY GAS, COEN, MODEL DAF-42, WITH LOW NOX BURNER, 245 MMBTU/HR	D1550	C1551	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 50 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 7 PPMV(Monthly) (4) [RULE 2005, 5-6-2005]; NOX: 9 PPMV (4) [RULE 2005, 5-6-2005]; PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976]; NOX: 0.015 LBS/MMBTU (8) [CONSENT DECREE VALERO, 6-16-2005]	A1.2, A63.9, A99.6, A195.1, A195.x16, A327.1, B61.1, B61.2, D29.10, D82.5, D90.3, H23.5, H23.28, H23.33, K67.10

- * (1)(1A)(1B)Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B)Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits

- (2)(2A)(2B)Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- | | |
|---|--|
| * (1)(1A)(1B)Denotes RECLAIM emission factor | (2)(2A)(2B)Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B)Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits | (10) See Section J for NESHAP/MACT requirements |
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

PROCESS CONDITIONS

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61	SUBPART FF

[40CFR 61 Subpart FF, 12-4-2003]

[Processes subject to this condition: 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14]

SYSTEM CONDITIONS

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 34 LBS IN ANY ONE DAY
CO	Less than or equal to 76 LBS IN ANY ONE DAY
PM	Less than or equal to 101 LBS IN ANY ONE DAY

For the purposes of this condition, the emission limit(s) are the combined emissions from Heaters 56-H-1 and 56-H-2 measured at the outlet of the common stack when both equipment are in operation.

The operator shall calculate the emission limit(s) using monthly fuel use data, and the following emission factors: ROG: 7.0 lbs/mmcf; CO: 17.5 lbs/mmcf; and PM: 21 lbs/mmcf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition: Process 4, System 8]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

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The operator shall comply with the terms and conditions set forth below:

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition: Process 1, System 1 , 3 , 5; Process 2, System 1 , 3, 5; Process 3, System 1; Process 4, System 1 , 3 , 5 , 7; Process 5, System 1; Process 7, System 1 , 3; Process 8, System 1 , 2 , 3 , 4 , 5 , 6; Process 9, System 1; Process 10, System 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 10, 13 , 39 , 45 , 46 , 55; Process 11, System 1 , 2; Process 17, System 50 , 97]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 416627 (Unit 43), 416624 (Unit 56), 466997 (Unit 63), 485015 (Unit 67), 416622 (Unit 68), 416626 (Unit 69), 416628 (Unit 86-B-9003), and 465660 (Unit 88):

All open-ended lines shall be equipped with cap, blind flange, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.

All process drain shall be equipped with water seal, or a closed-vent system and control device complying with the requirements of 40CFR60 Subpart QQQ section 60.692-5.

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available at the time of Permit to Construct issuance.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the SCAQMD prior to installation. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, meter, and any instrumentation which are not exempted by Rule 1173.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

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The operator shall comply with the terms and conditions set forth below:

All components in VOC service, except those specifically exempted by Rule 1173 and valves and flanges, shall be inspected quarterly using EPA reference method 21. All valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA method 21.

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.

If 98.0 percent or greater of the new valve and flange population inspected is found to leak gaseous or liquid VOC at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition: Process 4, System 7; Process 7, System 1, 3; Process 8, System 3, 4, 6; Process 10, System 13, Process 15, System 4]

S56.1 Vent gases from all affected devices of this process/system shall be directed to a gas recovery system, except for the venting of gases from equipment specifically identified in a permit condition, and for the following events for which vent gases may be directed to a flare:

1) Vent gases resulting from an Emergency as defined in Rule 1118 ;

2) Vent gases resulting from Planned Shutdowns, Startups and/or Turnarounds as defined in Rule 1118, provided that the owner/operator follows the applicable options and any associated limitations to reduce flaring that were identified, evaluated and most recently submitted by the owner/operator to the Executive Officer pursuant to Rule 1118, or any other option(s) which reduces flaring for such planned events; and

3) Vent gases due to and resulting from an Essential Operational Need, as defined in Rule 1118.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The evaluation of options to reduce flaring during Planned Shutdowns, Startups and/or Turnarounds shall be updated annually to reflect any revisions, and submitted to the Executive Officer in the first quarter of each year, but no later than March 31st of that year.

This process/system shall not be operated unless its designated flare(s) and vapor recovery system are in full use and have valid permits to receive vent gases from this process/system.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition: Process 1, System 1 , 3 , 5; Process 2, System 1 , 3, 5; Process 3, System 1; Process 4, System 1 , 3 , 5 , 7; Process 5, System 1; Process 7, System 1 , 3; Process 8, System 1 , 2 , 3 , 4 , 5 , 6; Process 9, System 1; Process 10, System 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 10 , 13 , 39 , 45 , 46 , 55; Process 11, System 1 , 2 , 41; Process 13, System 1; Process 14, System 5 , 6; Process 17, System 1 , 11 , 46 , 50, 88 , 97]

DEVICE CONDITIONS:

A. Emission Limits

A1.2 Compliance with the Emission limit(s) specified in the Emissions and Requirements column for this device shall be determined as follows:

Emittant	Emission Limit Type	Averaging time (O2 Content)	Compliance Verification Method
CO	(5) - Command and Control	15 minute (3 percent oxygen)	Source test
CO	(4)- BACT	1 hour (3 percent oxygen)	Certified CEMS
NOx	(4)- BACT	1 hour (3 percent oxygen)	Source test, Certified CEMS
PM	(5) - Command and Control	1 hour (3 percent oxygen)	Source test

The NOx BACT identified above applies only to the 9 PPM limit.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005; RULE 407, 4-2-1982; RULE 409, 8-7-1981; RULE 476, 10-8-1976]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:
[Devices subject to this condition: D1550]

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 7 LBS IN ANY ONE DAY
CO	Less than or equal to 18 LBS IN ANY ONE DAY
PM	Less than or equal to 22 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using monthly fuel usage data, and the following emission factors: ROG: 7.0 lbs/mmcf; CO: 17.5 lbs/mmcf; and PM: 21 lb/mmcf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D98]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 14 LBS IN ANY ONE DAY
CO	Less than or equal to 36 LBS IN ANY ONE DAY
PM	Less than or equal to 43 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using monthly fuel usage data, and the following emission factors: ROG: 7.0 lbs/mmcf; CO: 17.5 lbs/mmcf; and PM: 21 lb/mmcf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

- | | |
|--|--|
| * (1)(1A)(1B) Denotes RECLAIM emission factor | (2)(2A)(2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits requirements | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:
[Devices subject to this condition: D768]

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 955 LBS PER DAY
PM	Less than or equal to 562 LBS PER DAY

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D36]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 180 LBS IN ANY ONE DAY
PM10	Less than or equal to 86 LBS IN ANY ONE DAY
ROG	Less than or equal to 37 LBS IN ANY ONE DAY

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment device ID Nos. D74, D68, D69, D71, D934, D940, D941, D942, and D943.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D74]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 50 LBS IN ANY ONE DAY
ROG	Less than or equal to 20 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using monthly fuel usage data, and the following emission factors: ROG: 7.0 lbs/mmcf and CO: 17.5 lbs/mmcf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test

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|---|---|
| * (1)(1A)(1B)Denotes RECLAIM emission factor | (2)(2A)(2B)Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B)Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, |
| NESHAPS, etc.) | |
| (9) See App B for Emission Limits | (10) See Section J for NESHAP/MACT |
| requirements | |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D12]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 30 Percent opacity

[40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition: D36]

A63.9 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 2981 LBS IN ANY CALENDAR MONTH
PM10	Less than or equal to 4897 LBS IN ANY CALENDAR MONTH

The operator shall calculate the monthly emissions for VOC and PM10 using the equation below.

Calendar Monthly Emissions, lb/ month = (Calendar Monthly fuel usage in mmscf/day) *
(Emission factors indicated below)

The emission factors for the boiler 86-B-9002 shall be as follows: VOC, 5.5 lb/mmcsf; PM10, 7.6 lb/mmcsf.

The operator shall maintain records in a manner approved by the SCAQMD to demonstrate compliance with this condition and the records shall be made available to SCAQMD personnel upon request.

[RULE 1313(g), 12-7-1995]

[Devices subject to this condition: D1550]

A99.6 The 9 ppm NOX emission limit(s) shall not apply during any startup.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

For the purposes of this condition, startup shall be defined as the period when the exhaust temperature of this equipment is below 475 degrees F, which is the minimum ammonia injection temperature.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D1550]

A195.1 The 7 PPMV (Monthly) NO_x emission limit(s) is averaged over a calendar month and is at dry condition, corrected to 3 percent oxygen.

This NO_x calendar monthly emission limit shall be calculated based on the measured NO_x emissions using a certified RECLAIM CEMS and the heat input during all boiler operating hours for the calendar month except during:

1. Any SCAQMD required source test performed without ammonia;
2. Periods of the exhaust temperature entering the SCR catalyst is less than 475 degrees F, which is the minimum ammonia injection temperature);
3. RATA testing;
4. RECLAIM Missing Data period;
5. Calibration and maintenance periods;
6. Equipment breakdown periods as defined in Rule 2004; and
7. Periods of zero fuel flow.

The heat input weighted average NO_x concentration shall be calculated using this equation, or other equivalent equation: PPMV at 3 percent oxygen = (Et/Qt) x K, where:

1. PPMV at 3 percent oxygen = Concentration of NO_x in PPMV at 3 percent oxygen
2. Et = Total measured NO_x emissions during the averaging period (excluding exempt periods as noted above)
3. Qt = Total heat input during the averaging period (excluding exempt periods as noted above)
4. K = A conversion factor from lbs/MMBtu to PPM, which can be determined using EPA 40 CFR60 Method 19

A data acquisition system (DAS) shall be installed and maintained to record the parameters necessary to determine the calendar monthly NO_x concentration. In addition, the DAS shall calculate and display on demand the average monthly NO_x PPM.

Any corrections to the DAS data and calculation shall be completed within 72 hours after the end of the calendar month. The recorded parameters and the calculated average monthly NO_x PPM

- | | |
|--|--|
| * (1)(1A)(1B) Denotes RECLAIM emission factor | (2)(2A)(2B) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits requirements | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

shall be kept for a period as stated in the Section E of this facility permit and shall be readily available to the SCAQMD personnel upon request.

A violation of the 7 PPM NOX limit shall be a violation of the emission limit for the entire averaging period.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D1550]

A195.2 The 500 PPMV CO emission limit(s) is averaged over a one-hour block and at 0% oxygen on a dry basis.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D36]

A195.x5 The 0.065 lbs/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit is effective as of January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D3]

A195.x6 The 0.036 lbs/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D6]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A195.x7 The 0.057 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D8]

A195.x8 The 0.045 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit is effective as of January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D12]

A195.x9 The 0.039 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit became effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D22]

A195.x10 The 0.047 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)

(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,

(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:
accordance with Rule 2012.

This emission limit shall be effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D53]

A195.x11 0.020 lbs/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D768]

A195.x12 The 0.023 lbs/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D430]

A195.x13 The 0.041 lbs/MM Btu NOx emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D74]

A195.x14 The 0.044 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D98]

A195.x15 The 0.015 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D378]

A195.x16 The 0.015 lbs/MM Btu NO_x emission limit(s) is averaged over 365 rolling days and based on the HHV.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D1550]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A195.17 The 25 PPMV SO_x emission limit(s) is averaged over 365-days rolling and at 0% oxygen on a dry basis.

The 25 ppmv SO_x emission limit to comply with Rule 2002 became effective on July 1, 2012.

[**RULE 2002, 1-7-2005**; RULE 2002, 11-5-2010]

[Devices subject to this condition: D36]

A195.18 The 25 PPMV SO₂ emission limit(s) is averaged over 365-days rolling and at 0% oxygen on a dry basis.

The 25 ppmv SO₂ emission limit to comply with EPA Consent Decree became effective on February 28, 2011.

[**CONSENT DECREE VALERO, 6-16-2005**]

[Devices subject to this condition: D36]

A195.19 The 50 PPMV SO₂ emission limit(s) is averaged over 7-days rolling and at 0% oxygen on a dry basis.

The 50 ppmv SO₂ emission limit to comply with EPA Consent Decree became effective on February 28, 2011.

SO₂ emissions during period of startup, shutdown, or malfunction of an FCCU controlled by catalyst additives, or during periods of malfunction of a pollutant reducing catalyst additive system shall not be used in determining compliance with this emissions limit, provided that during such periods the operator implements good air pollution control practices to minimize SO₂ emissions.

[**40CFR 60 Subpart J, 9-12-2012**]; **CONSENT DECREE VALERO, 6-16-2005**]

[Devices subject to this condition: D36]

A195.x1 The 41 PPMV NO_x emission limit(s) is averaged over 365-days rolling and 0% oxygen on a dry basis.

This Consent Decree NO_x emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(NESHAPS, etc.)

(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,

(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D36]

A195.x2 The 82 PPMV NOX emission limit(s) is averaged over 7-days rolling and 0% oxygen on a dry basis.

This Consent Decree NOx emission limit is calculated by CEMS data measured and recorded in accordance with Rule 2012.

This emission limit shall become effective January 1, 2012.

[CONSENT DECREE VALERO, 6-16-2005]

[Devices subject to this condition: D36]

A229.1 The 10.75 LBS/HR emission limit is calculated by the parameters measured and recorded in accordance with Rule 2012. The mass emission limit is solely for the purpose of ensuring that there is no net increase in emission of NOx that will trigger BACT requirement pursuant to Rule 2005(c)(1)(A).

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D3]

A229.2 The 10.5 LBS/HR emission limit is calculated by the parameters measured and recorded in accordance with Rule 2012. The mass emission limit is solely for the purpose of ensuring that there is no net increase in emission of NOx that will trigger BACT requirement pursuant to Rule 2005(c)(1)(A)

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D74]

A327.1 For the purpose of determining compliance with District Rule 476, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 476, 10-8-1976]

[Devices subject to this condition: D378, D1550]

B. Material/Fuel Type Limits

B61.1 The operator shall only use fuel gas containing the following specified compounds:

Compound	ppm by volume
Sulfur	less than 100

The operator shall maintain a continuous total sulfur analyzer to monitor the sulfur content of the fuel gas.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition: D3, D6, D8, D9, D12, D22, D59, D60, D73, D74, D98, D429, D430, D768, D1550]

B61.2 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H ₂ S greater than	160

[40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition: D3, D6, D8, D9, D12, D22, D38, D52, D53, D59, D60, D73, D74, D98, D377, D378, D429, D430, D768, D1550]

C. Throughput or Operating Parameter Limits

C1.15 The operator shall limit the fuel usage to no more than 130000 cubic feet per hour.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the heater in accordance with Rule 2012.

The operator shall also maintain a device to continuously record the parameters being measured and the fuel gas usage in an hourly basis.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

The purpose(s) of this condition is to ensure that the maximum increase in emissions will not exceed the emission offset provided for this heater for CO, PM10, and ROG pursuant to Rule 1303(b)(3).

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D3]

C1.16 The operator shall limit the fuel usage to no more than 214000 cubic feet per hour.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the heater in accordance with Rule 2012.

The operator shall also maintain a device to continuously record the parameters being measured and the fuel gas usage in an hourly basis.

The purpose(s) of this condition is to ensure that the maximum increase in emissions will not exceed the emission offset provided for this heater for CO, PM10, and ROG pursuant to Rule 1303(b)(3).

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D74]

C1.31 The operator shall limit the firing rate to no more than 144 MM Btu per hour.

For the purpose of this condition, firing rate shall be defined as heat input to this equipment based on the higher heating value (HHV) of the fuel gas used.

To comply with this condition, the operator shall install and maintain a(n) continuous monitoring system to accurately indicate the energy input being supplied to the heater.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D12]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D. Monitoring and Testing Requirements

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(S)	Averaging Time	Test Location
ROG emissions	Approved District Method	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted when this equipment is operating at 80 percent or greater of its maximum design heat rating or within a capacity approved by the District.

The test(s) shall be conducted at least once every three years.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition: D12]

D29.10 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District Method	District-approved averaging time	Outlet of the SCR
CO emissions	Approved District Method	District-approved averaging time	Outlet of the SCR

The test(s) shall be conducted at least once every three years.

The test shall be conducted when the combustion devices being vented to the SCR are operating under normal operating conditions.

The test shall be conducted to demonstrate compliance with Rules 407, 409, and 476.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 409, 8-7-1981; RULE 476, 10-8-1976**]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:
[Devices subject to this condition: D1550]

D29.12 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(S)	Averaging Time	Test Location
PM emissions	Approved District Method	District-approved averaging time	Outlet

The test(s) shall be conducted at least annually.

The test shall be conducted when the equipment is operating under normal conditions.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Source test results shall include the following parameters: FCCU feed rate; catalyst recirculation rate; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the ESP; and the average current, voltage, spark rate, and total power at each ESP field.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986; 40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition: D36]

D29.13 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	District Method 5.2 Modified with EPA Method 201A Cyclone (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	District Method	District-approved	Outlet

* (1)(1A)(1B) Denotes RECLAIM emission factor

(3) Denotes RECLAIM concentration limit

(5)(5A)(5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit
NESHAPS, etc.)

(9) See App B for Emission Limits
requirements

(2)(2A)(2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8)(8A)(8B) Denotes 40 CFR limits(e.g. NSPS,

(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

	5.2 (filterables compliance, condensables information)	averaging time	
PM10 emissions	District Method 5.2 with Previously Determined PM10 to PM Ratio Applied (filterables compliance, condensables information)	District-approved averaging time	Outlet
PM10 emissions	EPA Method 5 (filterables compliance) and EPA Method 202 (condensables information)	District-approved averaging time	Outlet
NH3 emissions	District method 207.1	1 hour	Outlet
CO emissions	District Method 100.1 or 10.1	1 hour	Outlet

The operator shall choose any of the PM10 test methods as indicated above to comply with Rule 1105.1 requirements.

For the purposes of this condition, filterable PM10 is PM10 collected on the cyclone exit, probe, and filter(s) of the applicable test methods referenced above. Condensable PM10 is the PM10 collected in the impingers of the applicable test methods referenced above.

The AQMD engineer shall be notified in writing of the date and time of the test at least 10 days prior to the test.

The test shall be conducted with 6 out of 12 total transformer/recifiers (T/Rs) in the ESP(s) operating.

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Ultramar may propose additional modes of ESP operation to be tested in the test protocol.

The test shall be conducted when the FCCU is operating with at least 80 percent of the total feed rate or under normal operating conditions.

The PM₁₀ and NH₃ tests shall be conducted at least every year.

The CO test shall be conducted at least once every three years.

Source test results shall include the following: FCCU feed rate in barrels per day (BPD); catalyst recirculation rate in tons per minute; catalyst make-up rate in tons per day; catalyst inventory in the equipment; fresh catalyst feed; sulfur content (%) in the feed; coke burn-off rate; O₂ content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at ESP outlet; and the average current in amps, voltage in volts, spark rate, and total power of each ESP in use.

In addition, the source test results shall include the ammonia injection rate prior to the ESP (if applicable).

[RULE 1105.1, 11-7-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 407, 4-2-1982]

[Devices subject to this condition: D36]

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Oxygen concentration in percent volume

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D36]

D82.5 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Concentrations shall be corrected to 3 percent oxygen on a dry basis.

The CEMS shall be installed and operated in accordance with an approved AQMD Rule 218

- | | |
|---|--|
| * (1)(1A)(1B)Denotes RECLAIM emission factor | (2)(2A)(2B)Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B)Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits requirements | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:
CEMS plan application.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D1550]

D90.3 The operator shall continuously monitor the H₂S concentration in the fuel gas before being burned in this device according to the following specifications:

The operator shall use an NSPS Subpart J approved instrument meeting the requirements of 40CFR60 Subpart J to monitor the parameter.

The operator shall also install and maintain a device to continuously record the parameter being monitored.

The operator may monitor the H₂S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H₂S in the fuel gas being burned in this device.

[40CFR 60 Subpart J, 9-12-2012]

Devices subject to this condition: D3, D6, D8, D9, D12, D22, D38, D52, D53, D59, D60, D73, D74, D98, D377, D378, D429, D430, D768, D1550]

D90.4 The operator shall monitor the opacity at the stack according to the following specifications:

The operator shall maintain and operate the opacity meter and record the readings as required pursuant to 40CFR60, Subpart J at all times except during periods of required maintenance and malfunction of the opacity meter.

[40CFR 60 Subpart J, 9-12-2012]

[Devices subject to this condition: D36]

D90.13 The operator shall periodically analyze the H₂S concentration in the process gas streams vented to this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on November 15, 2005 for the periodic analysis and reporting of H₂S concentration for the process gas streams vented from the Catalytic Reformer Unit (CRU) to

- | | |
|---|--|
| * (1)(1A)(1B)Denotes RECLAIM emission factor | (2)(2A)(2B)Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B)Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits requirements | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:
Heater 70-H-1/2/3.

[40CFR 60 Subpart J, 9-12-2012]

Devices subject to this condition: D74]

D182.5 The operator shall test this equipment in accordance with the following specifications:

The test may commence without prior approval from the District if it is conducted according to a source test protocol previously approved by the District for this equipment. The District shall be notified of the date and time of the test at least 15 days prior to the test. A report shall be submitted to the District no later than 90 days after conducting the test.

The test shall determine and report the concentrations (ppmv at 3 percent oxygen) and mass emission rates (lb/hr) for CO, PM10, and ROG.

The test shall also include catalyst recirculation rate.

The test shall be conducted at least once every three years after conducting the initial performance test

During the test, the equipment shall be operated at least 80 percent of the permitted maximum rated capacity or within a capacity range approved by the District.

Testing and sampling facilities shall be provided and maintained in accordance with District source test method 1.1 or 1.2 and District guidelines for construction of sampling and testing facilities.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition: D74]

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

* (1)(1A)(1B)Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B)Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits
requirements

(2)(2A)(2B)Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]

[Devices subject to this condition: D23, D24, D25, D26, D27, D28, D29, D30, D31, D36, D40, D41, D68, D69, D933, D934, D935, D936, D937, D938, D939, D1231, D1232, D1233]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO emission limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

- | | |
|---|--|
| * (1)(1A)(1B)Denotes RECLAIM emission factor | (2)(2A)(2B)Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B)Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits requirements | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition: D3, D6, D8, D12, D22, D52, D53, D98, D378, D429, D768, C1260]

E. Equipment Operation/Construction Requirements

E73.5 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if:

The FCCU meets the Rule 1105.1 filterable PM10 emission limit of 2.8 pounds per thousand barrels of fresh feed.

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition: D36]

E193.4 The operator shall operate and maintain this equipment as follows:

The operator shall not operate any mode specified in Condition D29.13 if the source test results show that operating mode exceeds the PM10 (2.8 lbs per 1,000 bbl fresh feed) or NH3 (10 ppmv) limits specified in Rule 1105.1.

Notwithstanding the requirements of Section E conditions, the operator is not required to operate all three ESPs (61-PR-1A, 61-PR-1B, 61-PR-2) in full operation when venting the FCCU Regenerator catalyst fine exhaust if the operator maintains a minimum of 6 of 12 transformer/rectifier sets in operation..

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition: D36]

H. Applicable Rules

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 9-12-2012]

* (1)(1A)(1B)Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B)Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)

(9) See App B for Emission Limits requirements

(2)(2A)(2B)Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS,

(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Devices subject to this condition: D3, D6, D8, D9, D12, D22, D38, D52, D53, D59, D60, D73, D74, D98, D377, D378, C400, C402, C403, D429, D430, D768, D1550]

H23.27 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
HAPs	40CFR63, SUBPART	UUU
CO	40CFR60, SUBPART	J
PM	40CFR60, SUBPART	J
Opacity	40CFR60, SUBPART	J
SOX	40CFR60, SUBPART	J

[**RULE 1105.1, 11-7-2003; 40CFR 60 Subpart J, 9-12-2012; 40CFR 63 Subpart UUU, 4-20-2006**]

[Devices subject to this condition: D36]

H23.28 This equipment is subject to the applicable requirements of the following rules or regulations:

Rule	Rule/Subpart
40CFR60, SUBPART	Db

[**40 CFR60, Subpart Db, 2-27-2014**]

[Devices subject to this condition: D1550]

H23.33 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR60, SUBPART	DDDDD

[**40 CFR63Subpart DDDDD, 1-31-2013**]

[Devices subject to this condition: D3, D6, D8, D12, D22, D53, D768, D430, D74, D98, D378, D1550]

* (1)(1A)(1B)Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B)Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B)Denotes RECLAIM emission rate
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(8)(8A)(8B)Denotes 40 CFR limits(e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

K. Recordkeeping/Reporting

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

PM10 emission data from testing performed per condition D29.13 shall be reported in terms of mass rate (lbs/hr) and in terms of grains /DSCF.

CO emission data shall be reported in terms of mass rate (lbs/hr) and in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

Ammonia emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

Source test results shall also include the following operating parameters under which the test was conducted:

Source test results shall include the following: FCCU feed rate in BPD; catalyst recirculation rate in tons per minute; catalyst make-up rate in tons per day; catalyst inventory in the equipment; fresh catalyst feed; sulfur content (%) in the feed; coke burn-off rate; O₂ content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at ESP outlet; and the average current in amps, voltage in volts, spark rate, and total power of each ESP in use.

In addition, the source test results shall include the ammonia injection rate prior to the ESP (if applicable).

This condition shall only apply to source test condition D29.13.

[**RULE 1105.1, 11-7-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 404, 2-7-1986; RULE 405, 2-7-1986; RULE 407, 4-2-1982**]

[Devices subject to this condition: D36]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



FACILITY PERMIT TO OPERATE ULTRAMAR INC

SECTION D: PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

fuel rate and heating value of the fuel gas

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D12]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

fuel gas usage

fuel gas heating value

[**RULE 2011, 5-6-2005, RULE 2012, 5-6-2005**]

[Devices subject to this condition: D1550]

* (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
NESHAPS, etc.)
(9) See App B for Emission Limits requirements

(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limits (e.g. NSPS,
(10) See Section J for NESHAP/MACT

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.